

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of: Ramanathan Jagadeesan

Patent No. 6930982

Issued: 08/16/05

For: DEVICES, SOFTWARE AND METHODS FOR MEASURING  
PACKET LOSS BURSTINESS TO DETERMINE QUALITY OF VOICE  
DATA TRANSMISSION THROUGH A NETWORK

Cisco Technology, Inc., whose principal place of business is located at 170 West Tasman Drive,  
San Jose, CA 95134, states that it is:

1. ☒ the assignee of the entire right, title and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
The extent (by percentage) of its ownership is \_\_\_\_\_%

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Rcel/Frame 011370/0037, recorded on 12/12/00.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Date: January 24, 2008

Signature /Stephen S. Ford/  
Stephen S. Ford  
Reg. No. 35,139  
Attorney for Assignee

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Exhibit A

Serial No.: Exhibit A

Filed: Exhibit A

Date: January 10, 2008

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

POWER OF ATTORNEY AND REVOCATION OF PRIOR POWERS

I, Mailun Yen, Assistant Secretary, Cisco Technology, Inc., am an authorized person to sign on behalf of Cisco Technology, Inc., having place of business at 170 West Tasman Drive, San Jose, California, 95134, assignee of the entire right, title and interest of the United States patents and patent applications, set forth on attached Exhibit A, by assignment recorded in the U.S. Patent and Trademark Office as noted thereon represent that I am empowered to sign on behalf of assignee.

I revoke all power of attorney previously given and appoint the attorneys and agents associated with Customer number 73552 to represent Cisco Technology, Inc. before the United States Patent and Trademark Office in connection with patents and patent applications listed on Exhibit A.

Direct all telephone calls to Stephen S. Ford at (503) 224-2170 and send all correspondence to the following address associated with Customer No. 73552.

STOLOWITZ FORD COWGER LLP  
621 SW Morrison Street, Suite 600  
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Date:

January 10, 2008

  
\_\_\_\_\_  
Mailun Yen  
Assistant Secretary  
CISCO TECHNOLOGY, Inc.

170 West Tasman Drive  
San Jose, California 95134

## EXHIBIT A

DOC. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0002	5,918,019	7/29/1996	08/687,973	6/29/1999	VIRTUAL DIAL-UP PROTOCOL FOR NETWORK COMMUNICATION
2705-0006	5,991,817	9/6/1996	08/709,178	11/23/1999	APPARATUS AND METHOD FOR A NETWORK ROUTER
2705-0021	6,580,723	2-Nov-98	09/184,758	17-Jun-03	TIME SLOTTED LOGICAL RING
2705-0044	6,250,936	8/5/1998	09/129,671	6/26/2001	SINGLE-PORT CONNECTION AND CIRCUITRY ACCEPTING BOTH BALANCED AND UNBALANCED DATA SIGNALS
2705-0045	6,188,760	6/29/1998	09/107,071	2/13/2001	SIGNALING STATE MANAGEMENT SYSTEM FOR PACKET NETWORK GATEWAYS
2705-0058	6,442,714	3/17/1999	09/271,016	8/27/2002	WEB-BASED INTEGRATED TESTING AND REPORTING SYSTEM
2705-0063	6,477,492	6/15/1999	09/333,778	11/5/2002	SYSTEM FOR AUTOMATED TESTING OF VOICE RESPONSE SYSTEMS
2705-0064	6,999,560	6/28/1999	09/340,987	2/14/2006	METHOD AND APPARATUS FOR TESTING ECHO CANCELLER PERFORMANCE
2705-0067	6,512,743	4/15/1999	09/293,603	1/28/2003	BANDWIDTH ALLOCATION FOR ATM AVAILABLE BIT RATE SERVICE
2705-0068	6,762,675	27-Sep-99	09/406,248	13-Jul-04	METHOD AND APPARATUS FOR REMOTE POWERING OF DEVICE CONNECTED TO NETWORK
2705-0070		30-Sep-99	09/409,922		SCALABLE PACKET-SWITCHED CALL CONTROL SIGNALING
2705-0078	6,954,463	12/11/2000	09/735,280	10/1/2005	DISTRIBUTED PACKET PROCESSING ARCHITECTURE FOR NETWORK ACCESS SERVERS
2705-0080	6,754,714	10/5/1999	09/412,840	6/22/2004	MULTILINK POINT-TO-POINT PROTOCOL NETWORK ACCESS SERVER CHANNEL ALLOCATION METHOD AND APPARATUS
2705-0084	4,963,034	6/1/1989	360,023	10/16/1990	LOW-DELAY VECTOR BACKWARD PREDICTIVE CODING OF SPEECH
2705-0089	6,608,831	11/15/1999	09/440,152	8/19/2003	BREAKOUT/BREAKIN HYBRID NETWORK SYSTEM
2705-0091	7,136,377	31-Mar-00	09/539,408	14-Nov-06	TUNNELED DATAGRAM SWITCHING
2705-0092	6,868,445	1-Nov-99	09/431,357	15-Mar-05	LOW-IMPACT METHOD AND APPARATUS FOR MAINTAINING NETWORK ACCESS SERVERS

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DOC. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0093		12-Dec-00	09/735,718		INTRASERVER TAG-SWITCHED DISTRIBUTED PACKED PROCESSING FOR NETWORK ACCESS SERVERS
2705-0094	7,277,384	6-Apr-00	09/544,196	2-Oct-07	PROGRAM AND METHOD FOR PREVENTING OVERLOAD IN A PACKET TELEPHONY GATEWAY
2705-0107	7,126,969	7/6/2000	09/611,108	10/24/2006	SCALABLE SYSTEM AND METHOD FOR RELIABLY SEQUENCING CHANGES IN SIGNALING BITS IN MULTICHANNEL TELECOMMUNICATION LINES TRANSMITTED OVER A NETWORK
2705-0112	6,301,633	3/8/2000	09/520,411	10/9/2001	GENERIC SERIAL INTERFACE WITH AUTOMATIC RECONFIGURABILITY
2705-0126	7,167,451	12/21/2000	09/745,387	1/23/2007	USER CONTROLLED AUDIO QUALITY FOR VOICE-OVER-IP TELEPHONY SYSTEMS
2705-0128	7,246,145	9/29/2000	09/676,147	7/17/2007	FULLY DISTRIBUTED, SCALABLE INTERFACE, COMMUNICATION SYSTEM
2705-0131	6,930,982	12/12/2000	09/735,429	8/16/2005	DEVICES, SOFTWARE AND METHODS FOR MEASURING PACKET LOSS BURSTINESS TO DETERMINE QUALITY OF VOICE DATA TRANSMISSION THROUGH A NETWORK
2705-0133	6,888,801	10/27/2000	09/698,885	5/3/2005	DEVICES, SOFTWARE AND METHODS FOR DETERMINING A QUALITY OF SERVICE FOR A VOIP CONNECTION
2705-0134	7,136,373	29-Dec-00	09/753,360	14-Nov-06	INTERCEPTION CALL SIGNALING METHOD AND APPARATUS BETWEEN A GATEKEEPER AND AN INTELLIGENT PERIPHERAL IN A VOICE FRAME NETWORK
2705-0146	7,012,901	2/28/2001	09/796,400	3/14/2006	DEVICES, SOFTWARE AND METHODS FOR GENERATING AGGREGATE COMFORT
2705-0147	7,194,521	12/18/2001	10/025,302	3/20/2007	HTTP CALL RECOGNITION ON A PSTN DEVICE
2705-0148	6,792,555	8/23/2001	09/938,336	9/14/2004	ACCESS SERVER FAULT ISOLATION WITHOUT SERVICE DISRUPTION METHOD AND APPARATUS
2705-0149	7,046,683	7/31/2001	09/919,982	5/16/2006	VoIP OVER ACCESS NETWORK

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DD. NO.	PATENT NO.	FEING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0151	7,130,281	3/30/2001	09/823,495	10/31/2006	DEVICES, SOFTWARES AND METHODS WITH IMPROVED PERFORMANCE OF ACOUSTIC ECHO CANCELLER IN VoIP COMMUNICATION
2705-0152	7,170,886	4/26/2001	09/843,596	1/30/2007	DEVICES, METHODS AND SOFTWARE FOR GENERATING INDEXING METATAGS IN REAL TIME FOR A STREAM OF DIGITALLY STORED VOICE DATA
2705-0162	7,143,155	29-Jun-01	09/895,434	28-Nov-06	STANDARDIZED METHOD AND APPARATUS FOR GATHERING DEVICE IDENTIFICATION AND/OR CONFIGURATION INFORMATION VIA A PHYSICAL INTERFACE
2705-0163	6,963,954	9/19/2001	09/957,342	11/8/2005	METHOD AND APPARATUS FOR OPTIMIZING PREFETCHING BASED ON MEMORY ADDRESSES
2705-0164	7,062,609	9/19/2001	09/957,563	6/13/2006	METHOD AND APPARATUS FOR SELECTING TRANSFER TYPES
2705-0170	7,154,852	30-Aug-01	09/944,252	26-Dec-06	DEVICES, SOFTWARES AND METHODS FOR DYNAMIC BANDWIDTH ALLOCATION FOR ATM CONNECTIONS
2705-0172		26-Feb-02	10/083,891		NETWORK TUNNELING METHOD AND APPARATUS
2705-0176	7,072,291	8/23/2001	09/938,741	7/4/2006	DEVICES, SOFTWARES AND METHODS FOR REDUNDANTLY ENCODING A DATA STREAM FOR NETWORK TRANSMISSION WITH ADJUSTABLE REDUNDANT-CODING DELAY
2705-0178	6,868,059	8/24/2001	09/841,754	3/15/2005	CLUSTERS OF DEVICES, SOFTWARES AND METHODS FOR IMPROVED HANDLING OF A GATEKEEPER LOAD IN VOIP COMMUNICATION
2705-0179	6,529,959	5/3/2001	09/848,862	3/4/2003	METHOD AND APPARATUS FOR AUTOMATIC ROUTING OF CIRCUIT SWITCHED DATA CONNECTIONS BASED UPON STORED BEHAVIORIAL INFORMATION
2705-0180	6,522,151	5/25/2001	09/865,969	2/18/2003	DIGITAL COMMUNICATION SYSTEM ACCEPTING BOTH BALANCED AND UNBALANCED DATA SIGNALS AND METHOD FOR ITS USE

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DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0181	7,095,831	9/27/2001	09/966,927	8/22/2006	DEVICES, SOFTWARES AND METHODS FOR SELECTIVELY LIMITING THE TOTAL MODEM-ON-HOLD TIMEOUT TIME OF A SINGLE LOG-IN SESSION
2705-0184	7,197,567	28-Feb-02	10/086,840	27-Mar-07	DEVICES, SOFTWARES AND METHODS FOR ENABLING SIP DEVICES TO OPERATE IN H.323 NETWORKS AND H.323 DEVICES TO OPERATE IN SIP NETWORKS
2705-0185	7,085,263	1/31/2002	10/038,440	8/1/2006	NETWORK TELEPHONY DEVICES, SOFTWARES AND METHODS FOR DISCONTINUING TRANSMITTING MUSIC-ON-HOLD
2705-0188		31-Aug-01	09/944,481		DEVICES, SOFTWARES AND METHODS FOR RULE BASED DETERMINATION OF ATTRIBUTES OF CALLED DEVICE FOR NETWORK TELEPHONE CALL SETUP
2705-0194		27-Mar-02	10/109,456		PROXY ADDRESSING SCHEME FOR CABLE NETWORKS
2705-0196	6,735,289	3-Dec-01	10/005,001	11-May-04	DEVICES, METHODS AND SOFTWARES FOR TELECOMMUNICATION SERVICE PROVIDER TO RECEIVE FAX ON BEHALF OF SUBSCRIBER ON VOICE TELEPHONE LINE
2705-0198		9-Apr-02	10/119,865		DEVICES, SOFTWARES AND METHODS FOR NETWORK TELEPHONE CALL CONFERENCING WITH LOCAL RECONSTRUCTION OF VOICE DATA
2705-0199		16-Apr-01	09/835,993		NETWORK DEVICES, SOFTWARES AND METHOD FOR ASSESSING USAGE FEES FOR RETRANSMITTING DATA THROUGH NETWORKS
2705-0200	7,177,304	3-Jan-02	10/038,539	13-Feb-07	DEVICES, SOFTWARES AND METHODS FOR PRIORITIZING BETWEEN VOICE DATA PACKETS FOR DISCARD DECISION PURPOSES
2705-0201	7,170,885	3-Jan-02	10/038,337	30-Jan-07	DEVICES, SOFTWARES AND METHODS FOR SELECTIVELY DISCARDING INDICATED ONES OF VOICE DATA PACKETS RECEIVED IN A JITTER BUFFER
2705-0204	7,310,334	30-Apr-02	10/137,545	18-Dec-07	METHOD AND APPARATUS FOR MEDIA STREAM MONITORING

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DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0209		24-Sep-02	10/255,168		METHOD AND APPARATUS FOR DIFFERENTIAL LINK BRING-UP FOR MoIP ON THE INTERNET
2705-0210	7,251,241	21-Aug-02	10/225,814	31-Jul-07	DEVICES, SOFTWARES AND METHODS FOR PREDICTING RECONSTRUCTION OF ENCODED FRAMES AND FOR ADJUSTING PLAYOUT DELAY OF JITTER BUFFER
2705-0213	7,158,543	3/29/2002	10/112,367	2-Jan-07	V.8BIS SUPPRESSION METHOD AND APPARATUS FOR MODEM RELAY
2705-0219		10-Jan-02	10/043,968		NETWORK ROUTER INTEGRATED ONTO A SILICON CHIP
2705-0223		10-May-02	10/143,066		HIGH AVAILABILITY NETWORK PROCESSING SYSTEM
2705-0226	6,643,703	3/12/2002	10/096,475	11/4/2003	METHOD AND APPARATUS FOR AUTOMATIC ROUTING OF CIRCUIT SWITCHED DATA CONNECTIONS BASED UPON STORED BEHAVIORIAL INFORMATION
2705-0228	7,200,678	4-Sep-02	10/235,114	3-Apr-07	SELECTING NETWORK ADDRESS OFFERED BY A PLURALITY OF SERVERS BASED ON SERVER IDENTIFICATION INFORMATION
2705-0231		16-Oct-02	10/273,374		FALLBACK FOR V.42 MODEM-OVER-INTERNET-PROTOCOL (MoIP) GATEWAY METHOD AND APPARATUS
2705-0233	7,028,212	10-May-02	10/215,937	11-Apr-06	NETWORK DEVICE AND METHOD OF OPERATION
2705-0235		15-Apr-02	10/123,603		METHOD AND APPARATUS FOR AUTHORIZATION BASED ON PHONE CALLS IN PACKET SWITCHED NETWORKS
2705-0236	6,886,040	8-May-02	10/142,232	26-Apr-05	CODEC-INDEPENDENT TECHNIQUE FOR MODULATING BAND WIDTH IN PACKET NETWORK
2705-0238	7,230,918	18-Sep-02	10/246,900	12-Jun-07	SYSTEM FOR USING SPECIAL LINKS IN MULTI-LINK BUNDLES
2705-0240		4-Feb-03	10/358,416		WIDEBAND CABLE SYSTEM
2705-0245		25-Feb-03	10/376,208		USING MODEM, PROFILES TO IMPROVE CONNECTIVITY, CONNECT TIMING, AND COMPRESSION PERFORMANCE ON A MODEM RELAY (MR) GATEWAY

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DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0247		28-Aug-02	10/231,783		METHOD OF MANAGING SIGNAL PROCESSING RESOURCES
2705-0248		5-Dec-02	10/313,758		SMART FRAME SELECTION FOR IMPROVED BACKHAUL BANDWIDTH EFFICIENCY
2705-0251	7,177,413	4/30/2003	10/427,170	2/13/2007	HEAD-POSITION BASED TELEPHONE CONFERENCE SYSTEM AND ASSOCIATED METHOD
2705-0253		30-Dec-02	10/334,969		METHOD AND APPARATUS FOR NORMALIZING SERVICE LEVEL AGREEMENTS IN A NETWORK
2705-0256	7,266,189	27-Jan-03	10/352,339	4-Sep-07	WHO SAID THAT? TELECONFERENCE SPEAKER IDENTIFICATION APPARATUS AND METHOD
2705-0259		10-Jun-03	10/458,778		A MULTIMODAL SYSTEM AND METHOD
2705-0262		11-Sep-03	10/662,025		SYSTEM FOR SYNCHRONIZING CIRCUITRY IN AN ACCESS NETWORK
2705-0274		14-Apr-03	10/413,956		TIME SLOTTED LOGICAL RING
2705-0276		15-Aug-03	10/642,039		SYSTEM AND METHOD FOR VOICE BASED NETWORK MANAGEMENT
2705-0279		29-Apr-03	10/426,459		METHOD AND APPARATUS FOR AUTOMATIC INTER-DOMAIN ROUTING OF CALLS
2705-0281		12-Aug-03	10/640,173		METHOD AND APPARATUS FOR PERFORMING DENIAL OF SERVICE FOR CALL REQUESTS
2705-0287		6-Oct-03	10/680,601		ADAPTIVE CALL ADMISSION CONTROL FOR CALLS HANDLED OVER A COMPRESSED CLEAR CHANNEL
2705-0294	7,248,682	20-Aug-03	10/645,919	24-Jul-07	DIAL PLAN MAPPER
2705-0304	6,990,125	10/10/2003	10/684,161	1/24/2006	AUTO-DETECTION OF ISDN BRI SERVICES
2705-0305		9-Oct-03	10/683,689		SYMMETRICAL CODEC SELECTION IN AN ASYMMETRICAL CODEC ENVIRONMENT
2705-0307		4-Sep-03	10/655,812		METHOD AND APPARATUS FOR AUTOMATIC ROUTING OF CIRCUIT SWITCHED DATA CONNECTIONS BASED
2705-0308	7,177,408	9/11/2003	10/661,029	2/13/2007	DEVICES, SOFTWARES AND METHODS FOR SELECTIVELY LIMITING THE DURATION OF AN INDIVIDUAL MODEN-ON-HOLD SESSION



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DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0311		26-Nov-03	10/723,118		METHOD AND APPARATUS FOR ANALYZING A MEDIA PATH IN A PACKET SWITCHED NETWORK
2705-0312		29-Apr-04	10/835,762		SYSTEM FOR USING TEXT TERMINAL FOR THE DEAF (TTD) DEVICES FOR INTERNET INSTANT MESSAGING AND CHAT SESSIONS
2705-0317		26-Jan-04	10/765,540		METHOD AND APPARATUS FOR IMPROVING VOICE QUALITY IN A PACKET BASED NETWORK
2705-0324		19-Apr-04	10/828,367		TUNNELING SCHEME FOR AVOIDING NETWORK CONGESTION
2705-0325		9-Mar-04	10/797,689		METHOD AND APPARATUS FOR ANALYZING A MEDIA PATH FOR AN INTERNET PROTOCOL (IP) MEDIA SESSION
2705-0326		9-Mar-04	10/797,520		METHOD AND APPARATUS FOR MEASURING ONE-WAY DELAY AT ARBITRARY POINTS IN NETWORK
2705-0328		19-Apr-04	10/828,370		METHOD AND APPARATUS FOR DYNAMICALLY DETERMINING WHEN TO USE QUALITY OF SERVICE RESERVATION IN INTERNET MEDIA APPLICATIONS
2705-0329		8-Jun-04	10/864,050		METHOD AND APPARATUS FOR IDENTIFYING A MEDIA PATH IN A NETWORK
2705-0331		27-Jan-04	10/765,421		TIME-SENSITIVE-PACKET JITTER AND LATENCY MINIMIZATION ON A SHARED DATA LINK
2705-0333	7,256,684	29-Apr-04	10/836,923	14-Aug-07	METHOD AND APPARATUS FOR REMOTE POWERING OF DEVICE CONNECTED TO NETWORK
2705-0335		6-May-04	10/841,789		VIRTUAL DIAL-UP PROTOCOL FOR NETWORK COMMUNICATION
2705-0336		2-Jun-04	10/860,533		MULTILINK POINT-TO-POINT PROTOCOL NETWORK ACCESS SERVER CHANNEL ALLOCATION METHOD AND APPARATUS
2705-0337		2-Jun-04	10/860,537		METHOD AND APPARATUS FOR MULTICAST CALL SIGNALING IN PACKET NETWORK

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DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0345		10-May-05	11/126,487		LOCAL AREA NETWORK SERVICES IN A CABLE MODEM NETWORK
2705-0348	7,233,605	8-Jul-04	10/888,724	19-Jun-07	METHOD AND APPARATUS FOR MINIMIZING DELAY INDUCED BY DTMF PROCESSING IN PACKET TELEPHONY SYSTEMS
2705-0349		17-Dec-02	2806460.8		SYSTEM AND METHOD FOR CONTROLLING A FILTERING DEVICE TO ENHANCE SPEAKERPHONE PERFORMANCE
2705-0350		17-Dec-02	20023677002		SYSTEM AND METHOD FOR CONTROLLING A FILTERING DEVICE TO ENHANCE SPEAKERPHONE PERFORMANCE
2705-0351		17-Dec-02	2,473,006		SYSTEM AND METHOD FOR CONTROLLING A FILTERING DEVICE TO ENHANCE SPEAKERPHONE PERFORMANCE
2705-0352	7,213,154	9-Jul-04	10/888,487	1-May-07	QUERY DATA PACKET PROCESSING AND NETWORK SCANNING METHOD AND APPARATUS
2705-0353		3-Nov-04	10/982.620		METHOD AND APPARATUS FOR INTERLEAVING TEXT AND MEDIA IN A REAL-TIME TRANSPORT SESSION
2705-0354		16-Jul-04	10/892,935		SYSTEM AND METHOD FOR PRIORITIZING PACKETIZED DATA FROM A DISTRIBUTED CONTROL ENVIRONMENT FOR TRANSMISSION THROUGH A HIGH BANDWIDTH LINK
2705-0356		9-Aug-04	10/916,054		PACKET-SWITCHED TELEPHONY WITH CIRCUIT SWITCHED BACKUP
2705-0359		7-Dec-04	11/007,073		METHOD AND APPARATUS FOR DISCOVERING INTERNET ADDRESSES
2705-0361		20-May-05	11/134,005		TUNNELING SCHEME FOR TRANSPORTING INFORMATION OVER A CABLE NETWORK
2705-0362		25-May-05	11/138,220		WIDEBAND PROVISIONING
2705-0363		23-May-05	11/135,777		WIDEBAND UPSTREAM PROTOCOL
2705-0364		20-May-05	11/134,818		TIMING SYSTEM FOR MODULAR CABLE MODEM TERMINATION SYSTEM

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DOC. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0365		17-May-05	11/131,766		UPSTREAM PHYSICAL INTERFACE FOR MODULAR CABLE MODEM TERMINATION SYSTEM
2705-0366		17-May-05	11/134,589		DOWNSREAM REMOTE PHYSICAL INTERFACE FOR MODULAR CABLE MODEM TERMINATION SYSTEM
2705-0367		24-May-05	11/137,606		WIDEBAND CABLE DOWNSREAM PROTOCOL
2705-0368		30-Dec-04	11/026,641		NEIGHBOR DISCOVERY IN CABLE NETWORKS
2705-0381	7,181,522	2-Sep-04	10/934,827	20-Feb-07	METHOD AND APPARATUS FOR CALL SETUP WITHIN A VOICE FRAME NETWORK
2705-0396		22-Jan-01	09/767,330		METHOD AND APPARATUS FOR AUTOMATIC DOCUMENT INTERCHANGE BETWEEN ELECTRONIC MAIL (E-MAIL) AND FACSIMILE (FAX) SYSTEMS
2705-0400	7,142,550	30-Dec-99	09/474,935	28-Nov-06	PARTIAL FAX DELIVERY AND MULTICAST BY THE STORE AND FORWARD FAX DEVICES WITH LIMITED MEMORY
2705-0402	7,151,614	6/1/2000	09/586,178	12/19/2006	FACSIMILE (FAX) RELAY HANDLING IN ERROR CORRECTION MODE (ECM)
2705-0409		20-May-05	11/134,659		WIDEBAND CABLE MODEM WITH NARROWBAND CIRCUITRY
2705-0412		31-Oct-06	11/555,066		DESCRIPTOR TRANSFER LOGIC
2705-0414		8-Feb-05	11/054,076		MULTI-THREAD PACKETING PROCESSING ARCHITECTURE
2705-0415		2-Mar-05	11/071,660		PACKET PROCESSOR WITH WIDE REGISTER SET ARCHITECTURE
2705-0416	5,687,176	6/12/1995	489,400	11/11/1997	ZERO BYTE SUBSTITUTION METHOD AND APPARATUS FOR TELECOMMUNICATIONS EQUIPMENT
2705-0426		25-Mar-05	11/090,476		METHOD AND APPARATUS FOR INTERWORKING DISSIMILAR TEXT PHONE PROTOCOLS OVER A PACKET SWITCHED NETWORK
2705-0428		3-Aug-05	11/197,723		NETWORK DISTRIBUTED FAX DEVICE
2705-0432		26-Aug-05	11/213,229		SYSTEM AND METHOD FOR OFFLOADING A PROCESSOR TASKED WITH CALENDAR PROCESSING
2705-0433		7-Jun-05	11/147,713		MANAGING DEVICES ACROSS NAT BOUNDARIES

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DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0435		28-Dec-04	11/025,004		CLUSTERS OF DEVICES, SOFTWARES AND METHODS FOR IMPROVED HANDLING OF A GATEKEEPER LOAD IN VOIP COMMUNICATION
2705-0436		6-Jan-05	11/031,254		METHOD AND APPARATUS FOR THROTTLING AUDIO PACKETS ACCORDING TO GATEWAY PROCESSING CAPACITY
2705-0450	7,092,410	1/21/2005	11/041,062	8/15/2006	METHOD AND APPARATUS FOR MEASURING NETWORK DATA PACKET DELAY, JITTER AND LOSS
2705-0451		7-Jun-05	11/147,755		METHOD AND APPARATUS FOR USING META-PACKETS IN A PACKET PROCESSING SYSTEM
2705-0454		4-Feb-05	11/051,065		ITU H.450.-BASED ITU H.323 SCP METHOD AND APPARATUS
2705-0456		7-Jul-05	11/177,160		DOMAIN BASED ROUTING FOR MANAGING DEVICES OPERATING BEHIND A NETWORK ADDRESS TRANSLATOR
2705-0468		6-Jul-05	11/176,785		METHOD AND APPARATUS FOR NETWORK-BASED ADMISSION CONTROL USING PATH-COUPLED QUALITY OF SERVICE SIGNALING
2705-0469		2-Sep-05	11/218,978		PACKETIZING MEDIA FOR A TIME SLOTTED COMMUNICATION SYSTEM
2705-0471		26-Sep-05	11/235,870		PORT HOPPING SCHEME FOR PEER-TO-PEER CONNECTIONS
2705-0485		29-Jun-05	11/171,584		DEVICES, SOFTWARE AND METHODS FOR MEASURING PACKET LOSS BURSTINESS TO DETERMINE QUALITY OF VOICE DATA TRANSMISSION THROUGH A NETWORK
2705-0491		1-Nov-05	11/265,596		METHOD FOR STATEFUL FIREWALL INSPECTION OF ICE MESSAGES
2705-0492		7-Nov-05	11/270,017		METHOD AND APPARATUS TO PROVIDE CRYPTOGRAPHIC IDENTITY ASSERTION FOR THE PSTN
2705-0495		18-Aug-05	11/207,435		DISTRIBUTED PACKET PROCESSING ARCHITECTURE FOR NETWORK ACCESS SERVER

## EXHIBIT A

DO. NO	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0498		18-Apr-06	11/406,735		DEVICE AND METHOD FOR ESTIMATING AUDIOVISUAL QUALITY IMPAIRMENT IN PACKET NETWORKS
2705-0499	7,194,084	28-Sep-05	11/239,542	20-Mar-07	SYSTEM AND METHOD FOR STEREO CONFERENCING OVER LOW-BANDWIDTH LINKS
2705-0501		27-Sep-05	11/237,271		INTERACTIVE TEXT COMMUNICATION SYSTEM
2705-0502		1-Dec-05	11/293,285		METHOD AND APPARATUS FOR COMMUNICATING OVER A RESOURCE INTERCONNECT
2705-0505		8-Nov-05	11/270,428		METHOD AND APPARATUS FOR FAST FAILURE DETECTION IN SWITCHED LAN NETWORKS
2705-0506		1-Feb-06	11/346,148		CONTROLLING ADVERTISEMENT OF MANAGEMENT PREFIXES
2705-0508		20-Mar-06	11/385,129		METHOD AND APPARATUS FOR USING DATA-OVER-CABLE APPLICATIONS AND SERVICES IN NON-CABLE ENVIRONMENTS
2705-0510		6-Mar-06	11/370,141		RESOURCE RESERVATION AND ADMISSION CONTROL FOR IP NETWORK
2705-0512		13-Feb-06	11/353,508		APPARATUS AND METHOD FOR INCREASING RELIABILITY OF DATA SENSITIVE TO PACKET LOSS
2705-0514		6-Mar-06	11/369,307		METHOD FOR PROTECTING AGAINST DENIAL OF SERVICE ATTACKS
2705-0515		1-Dec-05	11/292,724		FAILURE TOLERANT HIGH DENSITY DIAL ROUTER
2705-0516		2-Dec-05	11/295,427		DEVICES, SOFTWARES AND METHODS FOR INCORPORATING BURSTINESS OF PACKET LOSS METRIC IN QOS BASED NETWORK ROUTING
2705-0517		17-Mar-06	11/377,960		CACHE-BASED ECHO CANCELLER
2705-0519		24-Feb-06	11/361,770		OPTICAL DATA SYNCHRONIZATION SCHEME
2705-0520		26-Jan-06	11/341,783		NETWORK DEVICE AND METHOD OF OPERATING
2705-0522		6-Feb-06	11/349,451		SYSTEM AND METHOD FOR PROVIDING SUPPORT FOR MULTIPPOINT L2VPN SERVICES IN DEVICES WITHOUT LOCAL BRIDGING

## EXHIBIT A

DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0524	5,778,513	9-Feb-96	08/599,018	14-Jul-98	BULK FABRICATED ELECTROMAGNETIC MICRO-RELAYS/MICRO-SWITCHES AND METHOD OF MAKING SAME
2705-0527		18-Apr-06	11/406,713		CONSTRAINED AUTOMATIC SPEECH RECOGNITION FOR MORE RELIABLE SPEECH-TO-TEXT CONVERSION
2705-0529		5-Jul-06	11/428,782		PROVIDING NAVIGATION DIRECTIONS
2705-0530		18-Aug-06	11/465,598		SECURE NETWORK DEPLOYMENT
2705-0531		16-Mar-06	11/377,955		VoIP OVER ACCESS NETWORK
2705-0534		19-Mar-02	10/102,142		DISTRIBUTIVE OPTICAL SWITCHING CONTROL SYSTEM
2705-0550		15-May-06	11/435,002		DEVICES, SOFTWARES AND METHODS FOR REDUNDANTLY ENCODING A DATA STREAM FOR NETWORK TRANSMISSION WITH ADJUSTABLE REDUNDANT-CODING DELAY
2705-0558		24-Aug-06	11/467,097		CONTENT ADDRESSABLE MEMORY ENTRY CODING FOR ERROR DETECTION AND CORRECTION
2705-0559		24-Apr-06	11/410,566		BUFFERING SCHEMES FOR OPTICAL PACKET PROCESSING
2705-0563		13-Jul-06	11/457,434		CALL IDENTIFICATION MECHANISM FOR MULTI-PROTOCOL TELEPHONES
2705-0566		6-Jul-06	11/456,022		GATEWAY PROVIDING THIRD PARTY CALL CONTROL
2705-0567		7-Dec-06	11/608,217		IDENTIFY A SECURE END-TO-END VOICE CALL
2705-0569		6-Jul-06	11/456,070		DEVICES, SOFTWARES AND METHODS FOR SELECTIVELY LIMITING THE TOTAL MODEM-ON-HOLD TIMEOUT TIME OF A SINGLE LOG-IN SESSION
2705-0572		31-May-06	11/444,652		MEDIA SEGMENT MONITORING
2705-0573		25-Sep-06	11/534,908		METHOD AND APPARATUS FOR OUTAGE MEASUREMENT
2705-0574		5-Jul-06	11/428,734		METHOD AND APPARATUS FOR MEASURING NETWORK DATA PACKET DELAY, JITTER AND LOSS
2705-0575		8-Nov-06	11/557,928		FLOW BASED FLOW CONTROL IN AN ETHERNET SWITCH BACKPLANE
2705-0578		25-Oct-06	11/552,909		STATIC, DYNAMIC AND INTELLIGENT VRF ROUTING FOR SERVICES TRAFFIC

## EXHIBIT A

DO. NO.	PATENT NO.	FLING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0579		29-Aug-06	11/468,219		PRIVATE VLAN EDGE ACROSS MULTIPLE SWITCH MODULES
2705-0582		19-Oct-06	11/551,183		ETHERNET LAYER 2 PROTOCOL PACKET SWITCHING
2705-0584		24-Aug-06	11/467,002		IMPROVED AUTHENTICATION FOR DEVICES LOCATED IN CABLE NETWORKS
2705-0589		21-Dec-06	11/614,569		OUT OF BAND FLOW CONTROL
2705-0592		20-Mar-07	11/688,381		MULTIMODAL MULTILEVEL PRECEDENCE AND PREEMPTION
2705-0597		28-Sep-06	11/536,548		DEVICES, SOFTWARES AND METHODS WITH IMPROVED PERFORMANCE OF ACOUSTIC ECHO CANCELLER ON VoIP COMMUNICATION
2705-0598		21-Dec-06	11/614,843		TRACEROUTE USING ADDRESS REQUEST MESSAGES
2705-0599		24-Jan-07	11/626,819		TRIGGERING FLOW ANALYSIS AT INTERMEDIARY DEVICES
2705-0601		13-Oct-06	11/549,452		DISCOVERING SECURITY DEVICES LOCATED ON A CALL PATH AND EXTENDING BINDINGS AT THOSE DISCOVERED SECURITY DEVICES
2705-0605		17-Nov-06	11/561,237		RETRANSMISSION-BASED STREAM REPAIR AND STREAM JOIN
2705-0610		31-Oct-06	11/555,213		ENHANCED CELL PHONE SERVICES USING AN 802.11 WIRELESS CONNECTION
2705-0611		29-Nov-06	11/564,808		TRIGGERING BANDWIDTH RESERVATION AND PRIORITY REMARKING
2705-0613		4-Apr-07	11/696,611		FAX RELAY TUNNELING
2705-0614		9-Jan-07	11/621,510		BUFFERING, PAUSING AND CONDENSING A LIVE PHONE CALL
2705-0617		7-Feb-07	11/672,469		LOAD BALANCING OF BROADBAND SUBSCRIBER SESSIONS
2705-0624		21-Nov-06	11/562,363		SUPPRESSING HIGH SPEED MODULATION NEGOTIATION
2705-0625		12-Feb-07	11/674,093		FAST CHANNEL CHANGE ON A BANDWIDTH CONSTRAINED NETWORK
2705-0627		1-Feb-07	11/670,381		REGULARLY OCCURRING WRITE BACK SCHEME FOR CACHE SOFT ERROR REDUCTION

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DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0630	6,366,380	2/12/1999	09/249,685	2/2/2002	OPTICAL TRANSCEIVER EMI DETUNNING DEVICE
2705-0640	5,737,526	12/30/1994	08/366,713	04/07/098	NETWORK HAVING AT LEAST TWO ROUTERS, EACH HAVING CONDITIONAL FILTER SO ONE OF TWO TRANSMITS GIVEN FRAME AND EACH TRANSMITS DIFFERENT FRAMES, PROVIDING CONNECTION TO A SUBNETWORK
2705-0654	7,031,943	5/10/2000	09/568,562	4/18/2006	DIGITAL LICENSE AGREEMENT
2705-0655	6,959,289	5/10/2000	09/569,095	10/25/2005	DIGITAL RIGHTS FRAMEWORK
2705-0656	6,885,999	5/10/2000	09/568,651	4/26/2005	DIGITAL IDENTIFIERS AND DIGITAL IDENTIFIER CONTROL SYSTEMS FOR INTELLECTUAL PROPERTIES
2705-0657	6,239,626	1/7/2000	09/479,030	29-May-01	GLITCH-FREE CLOCK SELECTOR
2705-0658	6,941,291	12/7/2000	09/732,541	9/6/2005	METHOD AND DEVICE FOR A USER PROFILE REPOSITORY
2705-0659	6,772,194	6/27/2000	09/604,933	8/3/2004	DIRECTORY BAND SHELL EXTENSION
2705-0660	6,996,769	2/28/2001	09/796,865	2/7/2006	METHOD AND SYSTEM FOR GENERATING DOCUMENTATION FROM OPERATING SYSTEM COMMAND SYNTAX
2705-0661	7,096,420	4/19/2001	09/838,956	8/22/2006	METHOD AND SYSTEM FOR GENERATING DOCUMENTATION FROM OPERATING SYSTEM COMMAND SYNTAX
2705-0662	6,996,831	11/27/2000	09/724,205	2/7/2006	METHOD AND SYSTEM FOR ALLOWING A PERL APPLICATION TO COMMUNICATE WITH DISTRIBUTED OBJECT VIA COBRA
2705-0663	6,876,957	12/27/2000	09/752,505	4/5/2005	ELECTRONIC EQUIPMENT SIMULATED EARTHQUAKE SURVIVABILITY TEST SYSTEM AND METHOD
2705-0664	6,907,565	12/13/2000	09/737,524	6/14/2005	WEB-BASED OUTPUT WRITER AND EDITOR
2705-0665	6,931,028	12/28/2000	09/751,523	8/16/2005	SCALEABLE RSVP SIGNALING BETWEEN VOIP DIAL-PEERS FOR TANDEM VOICE SOLUTIONS
2705-0666	6,950,865	3/26/2001	09/818,049	9/27/2005	NETWORK AUDIT TOOL
2705-0667	6,804,350	12/21/2000	09/745,382	10/12/2004	METHOD AND APPARATUS FOR IMPROVING ECHO CANCELLATION IN NON-VOIP SYSTEMS



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DO. NO.	PATENT NO.	FILING DATE	APP. NUMBER	GRANT DATE	TITLE
2705-0668	7,023,883	12/27/2000	09/752,608	4/4/2006	METHOD FOR PROVIDING A NETWORK TIMING REFERENCE CLOCK IN ETHERNET-CONNECTED VOIP EQUIPMENT
2705-0669	6,834,277	2/6/2001	09/778,299	12/21/2004	NORMALIZED TRANSACTION PROCESSING FOR SEARCH ENGINE
2705-0670	7,130,278	6/25/2001	09/891,778	10/31/2006	MULTI-LAYERED CROSS-SECTIONAL DIAGRAM OF A NETWORK
2705-0671	7,085,227	5/11/2001	09/854,384	8/1/2006	METHOD FOR TESTING CONGESTION AVOIDANCE ON HIGH SPEED NETWORKS
2705-0672	7,062,658	9/10/2001	09/955,436	6/13/2006	SECURE DIGITAL APPLIANCE AND METHOD FOR PROTECTING DIGITAL CONTENT
2705-0674	7,039,604	2/15/2001	09/784,875	5/2/2006	MULTI-VENDOR INTEGRATION PROCESS FOR INTERNET COMMERCE
2705-0676	6,783,367	2/19/2002	10/079,227	8/31/2004	METHOD AND SYSTEM FOR PROVIDING A GLOBAL PRODUCT SERVICES ELECTRONIC LABORATORY
2705-0677	7,013,347	10/16/2001	09/981,181	3/14/2006	DISTANCE VECTOR EXTENSION TO THE ADDRESS RESOLUTION PROTOCOL
2705-0678	6,598,183	1/4/2000	09/477,504	7/22/2003	SOFTWARE TOOL FOR AUTOMATED DIAGNOSIS AND RESOLUTION OF PROBLEMS OF VOICE, DATA AND VOIP COMMUNICATIONS NETWORK
2705-0679	6,219,739	9/7/2000	09/657,023	4/17/2001	SPANNING TREE WITH FAST LINK-FAILURE CONVERGENCE
2705-0680	6,806,715	5/17/2002	10/150,689	10/19/2004	ILLUMINABLE INDICATOR TESTING APPARATUS
2705-0681	6,703,875	29-Jul-02	10/209,611	9-Mar-04	DEVICE FOR EMULATING PHASE-LOCKED LOOP AND METHOD FOR SAME
2705-0682	6,690,449	6/11/2002	10/171,189	2/10/2004	LCD POWER LOSS INDICATION
2705-0683	6,859,758	11/2/2002	10/292,616	2/22/2005	STREE TESTING DATABASE STORAGE
2705-0684	6,920,111	3/21/2003	10/394,941	7/19/2005	MULTIPLE UPDATE FREQUENCIES FOR COUNTERS IN A MULTI-LEVEL SHAPING SYSTEM
2705-0685	6,809,258	2/24/2003	10/374,832	10/26/2004	APPARATUS FOR CABLE ROUTING MANAGEMENT
2705-0686	7,020,376	1/31/2003	10/355,552	3/28/2006	TOOL DEVICE FOR SELECTIVELY EXTRACTING, INSTALLING AND REMOVING VARIOUS OPTICAL CONNECTORS

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DOI NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0687	7,050,801	1/19/2004	10/761,109	5/23/2006	METHOD AND SYSTEM FOR HITLESS WIRELESS ROAMING IN A MOBILE ENVIRONMENT
2705-0688		18-Oct-99	09/420,208		REMOTE COMPUTER SYSTEM MANAGEMENT THROUGH AN FTP INTERNET CONNECTION
2705-0689		10-May-00	09/569,093		VIRTUAL PACKING LIST
2705-0690		13-Jul-00	09/615,111		METHOD AND SYSTEM FOR HANDLING COMMON LANGUAGE EQUIPMENT IDENTIFIER REQUESTS
2705-0692		19-Jun-00	09/596,651		METHOD AND SYSTEM FOR AUTOMATED CREDIT HOLD NOTIFICATION FOR ORDERS PLACED ON-LINE
2705-0693		7-Feb-02	10/071,811		METHOD FOR UPDATING A HARDWARE ARE CONFIGURATION OF A NETWORKED COMMUNICATIONS DEVICE
2705-0694		6-Dec-01	10/016,216		HIERARCHICAL ARCHITECTURE FOR CONFIGURING A NETWORKED DEVICE
2705-0695	7,197,708	20-Dec-00	09/742,551	27-Mar-07	SET TOP TO INTERNET DEVICE COMMUNICATION AND USE
2705-0696		30-Nov-00	09/727,841		MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE
2705-0697		7-Dec-00	09/733,537		COPY PROTECTION BUILT INTO A NETWORK INFRASTRUCTURE
2705-0698	7,272,390	19-Dec-00	09/741,316	18-Sep-07	METHOD AND SYSTEM FOR SENDING FACSIMILE TRANSMISSION FROM MOBILE DEVICES
2705-0699	7,224,898	21-May-01	09/863,233	29-May-07	CARRIER CLASS DWDM OPTICAL NETWORK AUDIT TOOL
2705-0700		2-Nov-01	10/033,138		ROBUST AND FLEXIBLE GROUP STRUCTURE
2705-0701	7,254,524	12-Jul-01	09/904,982	7-Aug-07	METHOD AND SYSTEM FOR A SIMULATION AUTHORIZING ENVIRONMENT IMPLEMENTED IN CREATING A SIMULATION APPLICATION
2705-0702		30-Nov-01	10/007,164		END-TO-END OERFIRABCE TOOL AND METHOD FOR MONITORING ELECTRONIC-COMMERCE TRANSACTIONS

## EXHIBIT A

DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0703		17-Oct-01	09/982,457		SOFTWARE DISTRIBUTION SYSTEM AND METHOD
2705-0704	7,185,221	7/1/2002	10/187,882	27-Feb-07	METHOD AND SYSTEM FOR SIGNALING A SYSTEM FAULT
2705-0705		14-Jan-02	10/047,211		METHOD AND SYSTEM FOR FAULT MANAGEMENT IN A DISTRIBUTED NETWORK MANAGEMENT STATION
2705-0706		11-Jan-02	10/044,257		METHOD AND DEVICE FOR PROVIDING TCP SEGMENT SPLITTING IN VIRTUAL PRIVATE NETWORKING
2705-0708		20-May-02	10/152,453		FLEXIBLE XML PARSING BASED ON P-CODE
2705-0709	7,305,616	28-Dec-00	09/751,822	4-Dec-07	DOCUMENT BUILDER FOR INTERACTIVE DYNAMIC DOCUMENTATION WEB SITE
2705-0710		18-Jan-01	09/766,175		PROACTIVE CALL AND CONTACT CENTER SYSTEM
2705-0711		20-Apr-01	09/839,975		B2B SERVICE CENTER COMMUNICATIONS USING COLLABORATE TRANSACT METHODOLOGY
2705-0712	7,260,590	27-Dec-00	09/752,607	21-Aug-07	STREAMED DATABASE ARCHIVAL PROCESS WITH BACKGROUND SYNCHRONIZATION
2705-0713	7,236,966	3/8/2002	10/095,371	6/26/2007	METHOD AND SYSTEM FOR PROVIDING A USER-CUSTOMIZED ELECTRONIC BOOK
2705-0714		9-Aug-02	10/215,506		UNIFIED HIGH-PERFORMANCE DATABASE CONNECTIVITY SYSTEM AND METHOD
2705-0715		14-Feb-03	10/367,354		METHOD OF PRODUCT CONFIGURATION VALIDATION
2705-0716		11-Dec-02	10/318,233		GRANULAR ENTITLEMENT SYSTEM AND METHOD FOR PROTECTING PROPRIETARY DIGITAL INFORMATION
2705-0717		22-Nov-02	10/302,576		SYSTEM AD METHOD FOR FACILITATING COMMUNICATION USING A WEB-BASED TOOL
2705-0718	7,233,934	6/4/2003	10/454,907	6/19/2007	DYNAMIC EXPERT SYSTEM
2705-0720		9-Apr-03	10/411,819		METHOD AND SYSTEM FOR DIGITAL RIGHTS MANAGEMENT BROKERING AND DIGITAL ASSET SECURITY TRANSCODING

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DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0721		3-Mar-03	10/378,760		METHOD AND SYSTEM FOR AUTOMATIC MODEM BANDWIDTH DETECTION IN A ROUTER
2705-0722		7-Feb-03	10/360,462		MODEL-DRIVEN SOFTWARE PUBLISHING SYSTEM AND METHOD
2705-0723		11-Oct-02	10/269,459		METHOD AND SYSTEM FOR INTERACTIVE INVOICE INQUIRY
2705-0724		9-May-03	10/435,340		RUGGEDDIZED PC/104PLUS MOBILE ROUTER
2705-0725		19-Jun-03	10/600,856		METHOD AND SYSTEM FOR TRACKING ENTITIES IN A COMPUTER NETWORK
2705-0726		28-Oct-03	10/696,467		PARTIAL KEY HASHING MEMORY
2705-0727		1-Aug-03	10/632,647		CHECKING CONNECTIVITY FOR POINT-TO-MULTIPOINT CONNECTIONS
2705-0728		24-Jun-03	10/603,382		ELECTRONIC COMPONENT RELIABILITY DETERMINATION SYSTEM AND METHOD
2705-0729		21-Aug-03	10/646,453		METHOD AND SYSTEM FOR MINIMAL DISRUPTION DURING SOFTWARE UPGRADE OR RELOAD OF A NETWORK DEVICE
2705-0730		30-Sep-03	10/676,696		METHOD AND SYSTEM FOR MIGRATING CONTENT ON A NETWORK
2705-0731		9-Jul-03	10/616,613		CONNECTION ROUTING BASED ON LINK UTILIZATION
2705-0732		11-Aug-03	10/639,151		METHOD AND SYSTEM FOR OPTIMIZING LINK AGGREGATION USAGE DURING FAILURES
2705-0733		21-Aug-03	10/646,452		METHOD AND SYSTEM FOR ENHANCING CRANKBACK HANDLING IN MULTI-PEER GROUP NETWORKS
2705-0734		10-Nov-03	10/705,152		SELF CONVERGING COMMUNICATION FAIR RATE CONTROL SYSTEM AND METHOD
2705-0735		2-Sep-03	10/654,309		METHOD FOR DYNAMIC CONFIGURATION OF A MOBILE ACCESS POINT
2705-0736		5-Nov-03	10/702,997		COMMUNICATION BANDWIDTH DISTRIBUTION SYSTEM AND METHOD
2705-0737		2-Apr-04	10/817,253		SYSTEM AND METHOD FOR PROVIDING LINK, NODE AND PG POLICY BASED ROUTING IN PNNI BASED ATM NETWORKS

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DO. NO.	PATENT NO.	FILING DATE	APP. NUMBER	GRANT DATE	TITLE
2705-0738		25-Nov-03	10/723,120		METHOD AND SYSTEM FOR INTERACTIVELY CONFIGURING A NETWORK DEVICE
2705-0739		29-Oct-03	10/697,069		METHOD AND SYSTEM FOR FOOTPRINT MINIMIZED HTML/HTTP-BASED SYSTEMS FOR JAVA-BASED EMBEDDED DEVICE MANAGEMENT APPLICATIONS
2705-0740		18-Nov-04	10/993,633		SYSTEM AND METHOD FOR MODELING INFORMATION SECURITY RISK
2705-0741		5-Mar-04	10/794,665		METHODS AND SYSTEMS FOR CHARACTERIZING AND MANAGING NETWORK INFORMATION
2705-0742		30-Jul-04	10/902,994		SYSTEM TO SYSTEM PROCESS FOR VALIDATING SERVICE ORDERS PRIOR TO ORDERING
2705-0743		24-Dec-03	10/746,588		SEARCHABLE AND/OR REORGANIZABLE MENU SYSTEMS
2705-0744		23-Jan-04	10/763,584		PSEUDO-RANDOM N-OUT-OF-N PACKET SAMPLING
2705-0745		3-May-04	10/838,662		METHOD TO INCREASE SYSTEM AVAILABILITY OF CRITICAL HARDWARE COMPONENTS
2705-0746	7,225,117	5-Feb-04	10/773,983	29-May-07	METHOD FOR GENERATING A SIMULATED NETWORK USING A GRAPHICAL USER INTERFACE
2705-0747		27-Aug-04	10/928,253		METHOD AND SYSTEM FOR SELECTING CONNECTIONS TO BUMP BASED ON PRIORITY IN A NETWORK
2705-0748		8-Apr-04	10/821,289		METHOD FOR GENERATING A SIMULATED NETWORK BASED ON AN ACTUAL MANAGED NETWORK
2705-0749		2-Apr-04	10/816,995		METHOD AND SYSTEM FOR AUTOMATICALLY COLLECTING INFORMATION RELATING TO CALLS TO ONE OR MORE ASSOCIATED ENDPOINT DEVICES
2705-0750		2-Aug-04	10/910,459		METHOD AND SYSTEM FOR PROCESSING DIRECTIVES INCLUDED IN MANAGEMENT EVENTS
2705-0751		10-Aug-04	10/915,779		DETECTION AND RECOVERY FROM CONTROL PLANE CONGESTION AND FAULTS

## EXHIBIT A

DOC. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0752	7,184,936	7/12/2004	10/890,072	2/27/2007	TIMING VARIATION MEASUREMENT SYSTEM AND METHOD
2705-0753		14-Sep-04	10/941,521		INCREASED AVAILABILITY ON ROUTERS THROUGH DETECTION OF DATA PATH FAILURES AND SUBSEQUENT RECOVERY
2705-0754		29-Sep-04	10/954,946		METHOD FOR FAST SWITCHOVER AND RECOVERY OF A MEDIA GATEWAY
2705-0755		14-Dec-04	11/012,372		METHOD AND SYSTEM FOR BYPASSING A CORE NETWORK IN ESTABLISHING A CALL BETWEEN ENDPOINTS ON DIFFERENT MEDIA GATEWAYS
2705-0756	7,277,297	25-Feb-05	11/066,877	2-Oct-07	DEVICE, APPARATUS, METHOD AND ASSEMBLY FOR COUPLING AN ELECTRICAL COMPONENT WITH A CIRCUIT BOARD
2705-0757		1-Jun-04	10/859,402		METHOD AND SYSTEM FOR VERIFYING IDENTIFICATION OF AN ELECTRONIC MAIL MESSAGE
2705-0758		11-Feb-05	11/055,965		METHOD AND SYSTEM FOR MANAGING AN ELECTRONIC DOCUMENT
2705-0759		2-May-05	11/120,668		METHOD, APPARATUS, AND SYSTEM FOR IMPROVING ETHERNET RING CONVERGENCE TIME
2705-0760		13-Oct-04	10/964,850		GALOIS FIELD MULTIPLICATION SYSTEM AND METHOD
2705-0761		28-Oct-04	10/976,533		IMPLEMENTATION OF A SWITCH-BOX USING A SUBFIELD METHOD
2705-0762		11-Mar-05	11/078,224		SYSTEM AND METHOD FOR UTILIZING PUSH TO TALK WHILE WATCHING TELEVISION
2705-0763		18-Mar-05	11/083,809		SOURCE SPECIFIC MULTICAST LAYER 2 NETWORKING DEVICE AND METHOD
2705-0764		8-Jul-05	11/178,141		COMMUNICATION DEVICE CLIENT UPDATE SYSTEM AND METHOD
2705-0765		18-Apr-05	11/109,200		SYSTEM AND METHOD FOR EDGE RESOURCE MANAGEMENT
2705-0766		23-Nov-04	10/996,902		SYSTEM AND METHOD FOR DETECTING RADIO FREQUENCY SIGNALS OVER A RANGE OF POWERS
2705-0767		18-Nov-04	10/994,701		METHOD AND SYSTEM FOR INSTALLING SOFTWARE AND HARDWARE FEATURE LICENSES ON DEVICES

## EXHIBIT A

DOC. NO.	PATENT NO.	FILING DATE	APP. NUMBER	GRANT DATE	TITLE
2705-0768		9-Mar-06	11/372,902		METHOD AND DEVICE FOR EFFICIENT TRANSMISSION OF FLOOD DATA FRAMES IN A BACKBONE NETWORK
2705-0769		8-Jun-05	11/149,064		METHOD AND SYSTEM FOR TESTING NETWORK CONFIGURATIONS
2705-0770		30-Jul-04	10/903,133		SELF MODIFYING STATE GRAPHS FOR QUALITY OF SERVICE CLASSIFICATION
2705-0771		18-Feb-05	11/060,923		INTER SUBNET ROAMING SYSTEM AND METHOD
2705-0772		8-Jul-05	11/178,136		METHOD AND SYSTEM OF RECEIVING AND
2705-0773		18-Apr-05	11/109,236		DYNAMIC DISTRIBUTED CUSTOMER ISSUE ANALYSIS
2705-0774		25-Mar-05	11/090,395		SYSTEM, METHOD AND APPARATUS FOR CONTROLLING A NETWORK POST-DEMULTIPLEXING FUNCTION
2705-0775		11-Feb-05	11/056,545		METHOD AND SYSTEM FOR IP TRAIN INAUGURATION
2705-0776		10-Nov-04	10/986,268		METHOD AND SYSTEM FOR CONVEYING ALTERNATE ACCEPTABLE CANONICALIZATIONS OF A DIGITALLY SIGNED PIECE OF ELECTRONIC MAIL
2705-0777		29-Jul-05	11/192,951		EXTERNAL PROGRAMMATIC INTERFACE FOR IOS CLI COMPLAINT ROUTERS
2705-0778		8-Jun-05	11/149,052		METHODS AND SYSTEMS FOR EXTRACTING INFORMATION FROM COMPUTER CODE
2705-0779		8-Jun-05	11/149,063		METHODS AND SYSTEMS FOR TRANSFORMING A PARSE GRAPH INTO AN AND/OR COMMAND TREE
2705-0780		8-Jun-05	11/148,694		METHODS AND SYSTEMS FOR TRANSFORMING AN AND/OR COMMAND TREE INTO A COMMAND DATA MODEL
2705-0781		2-Jun-05	11/144,177		MODEL ORIENTED METHOD OF AUTOMATICALLY DETECTING ALTERATIONS IN THE DESIGN OF A SOFTWARE SYSTEM
2705-0782	7,260,118	21-Apr-05	11/112,657	21-Aug-07	METHODS AND SYSTEMS FOR GENERATING AN ACCURATE ADAPTIVE CLOCK

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DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0783		21-Apr-05	11/112,635		METHOD AND APPARATUS FOR DETERMINING INFORMATION ASSOCIATED WITH A PARTICULAR MULTICAST CHANNEL IN A MULTICAST NETWORK
2705-0784		15-Apr-05	11/107,500		CONTROLLING ACCESS TO MANAGED OBJECTS IN NETWORKED DEVICES
2705-0785		7-Jan-05	11/032,764		USING A NETWORK SERVICE CREDENTIAL FOR ACCESS CONTROL
2705-0786		18-Nov-04	10/993,634		METHOD AND SYSTEM FOR TRANSFERRING SOFTWARE AND HARDWARE FEATURE LICENSES BETWEEN DEVICES
2705-0788		4-Apr-05	11/099,395		METHOD AND SYSTEM FOR ACCESSING AND LAUNCHING A JAVA BASED APPLLET AS A LOCALLY INSTALLED APPLICATION
2705-0789		3-Jan-06	11/325,287		METHOD AND SYSTEMS FOR CORRELATING EVENT RULES WITH CORRESPONDING EVENT LOG ENTRIES
2705-0790		25-Mar-05	11/089,992		METHOD AND SYSTEM FOR DATA LINK LAYER ADDRESS CLASSIFICATION
2705-0791		7-Jul-05	11/177,519		METHOD AND SYSTEM FOR MANAGING SHARED TASKS
2705-0792		12-Aug-05	11/203,449		METHOD AND SYSTEM FOR DETERRING SPAM OVER INTERNET PROTOCOL TELEPHONY AND SPAM INSTANT MESSAGING
2705-0793		26-Oct-05	11/260,531		SYSTEM AND METHOD FOR LOCALIZING DATA AND DEVICES
2705-0794		21-Jul-05	11/187,341		NETWORK COMMUNICATIONS SECURITY ENHANCING
2705-0795		7-Mar-05	11/075,197		REMOTE ACCESS TO LOCAL CONTENT USING TRANSCRIPTION OF DIGITAL RIGHTS MANAGEMENT SCHEMES
2705-0796		19-Jan-05	11/040,252		DIGITAL RIGHTS FRAMEWORK
2705-0797		13-Jun-05	11/151,869		METHOD AND SYSTEM FOR MANAGING A SERVICE AGREEMENT BUSINESS
2705-0798		27-Feb-06	11/364,152		METHOD AND APPARATUS FOR IMMEDIATE DISPLAY OF MULTICAST IPTV OVER A BANDWIDTH CONSTRAINED NETWORK



## EXHIBIT A

DQ. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0799		14-Nov-05	11/274,398		METHOD OF CONFIGURING AN ON-DEMAND SECURE CONNECTION BETWEEN A CONTROL SITE AND A CLIENT NETWORK
2705-0800		22-Jan-05	11/287,093		DATA COMPRESSION METHOD AND SYSTEM
2705-0801		18-Jul-05	11/184,293		REDUNDANCY POWER FOR COMMUNICATION DEVICES
2705-0802		12-Aug-05	11/202,660		METHOD AND SYSTEM DEVICE FOR DETERRING SPAM OVER INTERNET PROTOCOL TELEPHONY AND SPAM INSTANT MESSAGING
2705-0803		1-Jun-05	11/143,362		METHOD AND SYSTEM FOR VERIFYING IDENTIFICATION OF AN ELECTRONIC MESSAGE
2705-0804		22-Nov-05	11/286,543		METHOD AND SYSTEM FOR A METHOD FOR EVALUATING A MESSAGE BASED IN PART ON A REGISTRAR REPUTATION
2705-0805		7-Mar-06	11/370,282		METHOD AND SYSTEM OF PROVIDING AN INTEGRATED REPUTATION SERVICE
2705-0806		8-Mar-06	11/371,987		METHOD FOR REDUCING CHANNEL CHANGE STARTUP DELAYS FOR MULTICAST DIGITAL VIDEO STREAMS
2705-0807		7-Feb-06	11/349,593		METHOD AND SYSTEM FOR STREAM PROCESSING WEB SERVICES
2705-0808		21-Mar-06	11/386,955		METHOD AND SYSTEM OF USING COUNTERS TO MONITOR A SYSTEM PORT BUFFER
2705-0809		19-Jan-06	11/336,167		METHOD OF ENSURING CONSISTENT CONFIGURATION BETWEEN PROCESSORS RUNNING DIFFERENT VERSIONS OF SOFTWARE
2705-0810		1-Feb-06	11/346,487		LOCAL EXCHANGE ROUTING GUIDE INFORMATION MAINTENANCE SYSTEM AND METHOD
2705-0811		20-Sep-06	11/524,723		USING QoS TUNNELS FOR TCP LATENCY OPTIMIZATION
2705-0812		15-Feb-06	11/355,730		TOPOLOGY DISCOVERY OF A PRIVATE NETWORK
2705-0813		23-Feb-06	11/361,465		SYSTEM AND METHOD FOR CHANNELING NETWORK TRAFFIC

## EXHIBIT A

DOI NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0814		23-Feb-06	11/361,506		METHOD AND SYSTEM FOR QUALITY OF SERVICE BASED WEB FILTERING
2705-0815		7-Mar-06	11/370,469		MANAGING TRAFFIC WITHIN AND BETWEEN VIRTUAL PRIVATE NETWORKS WHEN USING A SESSION BORDER CONTROLLER
2705-0816		27-Feb-06	11/364,020		HYBRID DISTANCE VECTOR PROTOCOL FOR WIRELESS MESH NETWORKS
2705-0817		23-Jan-06	11/338,096		METHOD FOR DETERMINING THE OPERATIONS PERFORMED ON PACKETS BY A NETWORK DEVICE
2705-0818		7-Mar-06	11/370,295		GRAPHICAL REPRESENTATION OF THE FLOW OF A PACKET THROUGH A NETWORK DEVICE
2705-0819		1-Sep-06	11/515,316		METHODS FOR RING TONE SUPPRESSION INFORMING AND FOR INFORMING A CELLULAR TELEPHONE WITH CONFIGURATION DATA
2705-0820		20-Sep-06	11/524,724		METHOD FOR ESTABLISHING VOICE COMMUNICATIONS USING A MOBILE HANDSET
2705-0821		27-Feb-06	11/364,433		METHODS AND SYSTEMS FOR MULTICAST GROUP ADDRESS TRANSLATION
2705-0822		12-Apr-06	11/403,475		TRANSFERRING A COMMUNICATIONS EXCHANGE
2705-0823		25-Apr-06	11/411,491		SYSTEM AND METHOD FOR PROVIDING SECURITY BACKUP SERVICES TO A HOME NETWORK
2705-0824		7-Sep-06	11/518,332		INTERNETWORKING SUPPORT BETWEEN A LAN AND A WIRELESS MESH NETWORK
2705-0825		9-May-06	11/431,278		REMOTE CONFIGURATION OF DEVICES USING A SECURE CONNECTION
2705-0826		31-Mar-06	11/396,064		METHODS AND SYSTEMS FOR AUTOMATED TESTING OF APPLICATIONS USING AN APPLICATION INDEPENDENT GUI MAP
2705-0827		30-May-06	11/444,206		SYSTEM AND METHOD FOR CONTROLLING AND TRACKING NETWORK CONTENT FLOW

## EXHIBIT A

DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0828		14-Apr-06	11/404,652		DETERMINING A PHYSICAL LOCATION OF A VOIP ENDPOINT DEVICE UTILIZED TO ORIGINATE AN EMERGENCY CALL
2705-0829		22-Mar-06	11/388,096		METHODS AND SYSTEMS FOR GENERATING AND STORING COMPUTER PROGRAM EXECUTION TRACE DATA
2705-0830		1-Jun-06	11/466,490		PERFORMING AN IN-SERVICE SOFTWARE RELOAD ON A NETWORK DEVICE
2705-0831		4-Apr-06	11/398,330		COMMAND INTERFACE
2705-0832		7-Mar-06	11/370,294		MANAGING TRAFFIC WITHIN AND BETWEEN VIRTUAL PRIVATE NETWORKS WHEN USING A SESSION BORDER CONTROLLER
2705-0833		7-Aug-06	11/501,154		METHOD FOR CULLING A LITIGATION DISCOVERY FILE SET
2705-0834		7-Aug-06	11/501,151		AUTOMATED LITIGATION DISCOVERY METHOD AND SYSTEM
2705-0835		25-May-06	11/441,566		UTILIZING CAPTURED IP PACKETS TO DETERMINE OPERATIONS PERFORMED ON PACKETS BY A NETWORK DEVICE
2705-0836		7-Aug-06	11/500,822		METHOD AND SYSTEMS FOR A CUSTOMER PREMISE EQUIPMENT TO REVERSE THE UPSTREAM SPEED AND DOWNSTREAM SPEED OF A NETWORK CONNECTION
2705-0837		18-Aug-06	11/506,498		METHOD OF IMPROVING USER INTERACTION WITH AN OBJECT MANAGEMENT TOOL
2705-0838		28-Apr-06	11/414,408		METHODS AND SYSTEMS FOR DIFFERENTIAL BILLING OF SERVICES USED DURING A MOBILE DATA SERVICE SESSION
2705-0839		28-Apr-06	11/414,121		METHODS AND SYSTEMS FOR SELECTING ONE OR MORE CHARGING PROFILES FOR A MOBILE DATA SERVICE SESSION
2705-0840		20-Sep-06	11/524,725		AUTOMATIC GENERATION OF EVENT-HANDLING RULES FROM SYSTEM LOG ENTRIES
2705-0841		6-Sep-06	11/516,943		METHOD FOR MANAGING CONTENTS OF A WEB SITE

## EXHIBIT A

DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0846		9-Apr-07	11/733,008		NODE EXCLUSION WITHIN A NETWORK
2705-0849	7,149,980	12/28/2000	09/752,402	12-Dec-06	CONTENT VALIDATION FOR INTERACTIVE DYNAMIC DOCUMENTATION WEB SITE
2705-0851		24-Jul-07	11/782,121		ALLOCATION OF ROUTE TARGETS BASED ON SERVICE OFFERED
2705-0852		27-Mar-07	11/692,149		VOICE GATEWAY FAILURE DECODER
2705-0853		14-Dec-06	11/611,080		DEVICES, METHODS AND SOFTWARE FOR GENERATING INDEXING METATAGS IN REAL TIME FOR A STREAM OF DIGITALLY STORED VOICE DATA
2705-0860		9-Feb-07	11/673,495		CORRELATING CALLS AFTER A REFERRAL
2705-0862		16-Apr-07	11/735,930		HYBRID CORRECTIVE SCHEME FOR DROPPED PACKETS
2705-0863		12-Jun-07	11/761,679		TUNNELING REPORTS FOR REAL-TIME INTERNET PROTOCOL MEDIA STREAMS
2705-0864		14-May-07	11/748,379		REMOTE MONITORING OF REAL-TIME INTERNET PROTOCOL MEDIA STREAMS
2705-0865		14-Mar-07	11/686,321		UNIFIED TRANSMISSION SCHEME FOR MEDIA STREAM REDUNDANCY
2705-0866		11-Jul-07	11/776,200		TRANSFERRING DOCSIS FRAMES USING A LABEL SWITCHING NETWORK
2705-0867		23-Feb-07	11/678,497		DEVICES, SOFTWARES AND METHODS FOR ENABLING SIP DEVICES TO OPERATE IN H.323 DEVICES TO OPERATE IN SIP NETWORKS
2705-0868		13-Feb-07	11/674,595		STORAGE AND RETRIEVAL OF A CALLER'S SPOKEN NAME
2705-0887		6-Mar-07	11/682,832		PACKET FIBER NODE
2705-0888		6-Apr-07	11/697,632		EFFECTIVE MEASUREMENT/NOTIFICATION OF SLA IN A SERVICE ORIENTED NETWORKED ENVIRONMENT
2705-0889		6-Jul-07	11/774,343		QUASI RTP METRICS FOR NON-RTP MEDIA FLOWS
2705-0890		18-Jun-07	11/764,722		SURROGATE STREAM FOR MONITORING REALTIME MEDIA
2705-0891		26-Feb-07	11/679,005		SET TOP TO INTERNET DEVICE COMMUNICATION AND USE
2705-0892		30-May-07	11/755,516		SESSION BORDER CONTROL USING MULTIPLE PROCESSORS

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DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0894		17-Apr-07	11/736,463		MONITORING AND CORRECTING UPSTREAM PACKET LOSS
2705-0895		20-Mar-07	11/688,799		QUERY DATA PACKET PROCESSING AND NETWORK SCANNING METHOD AND APPARATUS
2705-0896		13-Apr-07	11/735,186		SAVING POWER IN A WIRELESS NETWORK IN THE PRESENCE OF MULTICAST OR BROADCAST DATA
2705-0897		4-Oct-07	11/867,656		DISTRIBUTING POLICIES TO PROTECT AGAINST VOICE SPAM AND DENIAL-OF-SERVICE
2705-0898		21-Nov-07	11/944,391		MECHANISM TO ENABLE AN IPE DOMAIN THROUGH MULTIPLE OSPF AREAS
2705-0902		30-May-07	11/755,542		METHOD AND APPARATUS FOR REMOTE POWERING OF DEVICE CONNECTED TO NETWORK
2705-0906		15-Oct-07	11/872,684		USING BLACK DETECTION TO IMPROVE VIDEO SPLICING
2705-0907		18-Oct-07	11/874,866		A REDUCED POWER TRANSLATION LOOKASIDE BUFFER WITH VARIABLE PAGE SIZES
2705-0908		16-Jul-07	11/778,592		OBJECT IDENTIFIER AWARENESS FOR NETWORK DEVICE NOTIFICATIONS
2705-0910		12-Oct-07	11/871,894		MITIGATING SUBSCRIBER SIDE ATTACKS IN A CABLE NETWORK
2705-0917		9-Aug-07	11/836,698		METHOD AND SYSTEM FOR SENDING FACSIMILE TRANSMISSIONS FROM MOBILE DEVICES
2705-1000		24-Oct-07	11/923,632		METHOD AND SYSTEM FOR PROVIDING DYING GASP SUPPORT FOR A NETWORK COMPONENT
2705-1004		9-Oct-07	11/869,706		DIAGNOSTIC/REMOTE MONITORING BY EMAIL
2705-1013		30-Nov-07	11/948,895		PROXY ADDRESSING SCHEME FOR CABLE NETWORKS
2705-0008	6,240,084	10-Oct-96	08/729,245	29-May-01	TELEPHONY-ENABLED NETWORK PROCESSING DEVIE WITH SEPARATE TDM BUS AND HOST SYSTEM BACKPLANE BUS

## EXHIBIT A

DO. NO.	PATENT NO.	PLING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0012	6,175,603	7-Aug-97	08/908,278	16-Jan-01	SYSTEM MANAGING SIGNALS IN DIFFERENT CLOCK DOMAINS AND A PROGRAMMABLE DIGITAL FILTER
2705-0016	6,073,199	6-Oct-97	08/944,520	6-Jun-00	HISTORY BASED BUS ARBITRATION WITH HIDDEN RE-ARBITRATION DURING WAIT CYCLES
2705-0020	6,181,708	30-Dec-97	09/000,731	30-Jan-01	LOSSLESS ARBITRATION SCHEME AND NETWORK ARCHITECTURE FOR COLLISION BASED NETWORK PROTOCOLS
2705-0024	6,088,754	31-Dec-97	09/001,352	11-Jul-00	GENERIC SERIAL INTERFACE WITH AUTOMATIC RECONFIGURABILITY
2705-0025	6,004,150	31-Dec-97	09/001,710	21-Dec-99	CONFIGURABLE ELECTRICAL SHUNT FOR A COMPUTER CABLE
2705-0026	6,390,320	29-Apr-98	09/069,532	21-May-02	EASILY INSTALLABLE AND REMOVABLE ELECTRO-MAGNETIC INTERFERENCE SHIELDING FACEPLATE
2705-0027	6,466,592	2-Nov-98	09/184,784	15-Oct-02	MPEG FRAME ADD/DROP MULTIPLEXER WITH BANDWIDTH CONTROLLER
2705-0028	6,330,221	18-Jun-98	09/099,877	11-Dec-01	FAILURE TOLERANT HIGH DENSITY DIAL ROUTER
2705-0029	6,418,125	18-Jun-98	09/099,863	9-Jul-02	UNIFIED MIXING, SPEAKER SELECTION, AND JITTER BUFFER MANAGEMENT FOR MULTI-SPEAKER PACKET AUDIO SYSTEMS
2705-0030	6,754,224	24-Jun-98	09/104,483	22-Jun-04	METHOD AND APPARATUS FOR MULTICAST CALL SIGNALING IN PACKET NETWORK
2705-0036	6,373,838	29-Jun-98	09/107,187	16-Apr-02	DIAL ACCESS STACK ARCHITECTURE
2705-0040	6,603,774	9-Oct-98	09/169,560	5-Aug-03	SIGNALING AND HANDLING METHOD FOR PROXY TRANSCODING OF ENCODED VOICE PACKETS IN PACKET TELEPHONY APPLICATIONS
2705-0041	6,445,697	25-Sep-98	09/161,111	3-Sep-02	AUDIO CODEC RESELECTION FOR INCREASED PORT DENSITY
2705-0042	6,618,358	24-Sep-98	09/160,469	9-Sep-03	METHOD AND APPARATUS FOR SWITCHING A CLOCK SOURCE FROM AMONG MULTIPLE T1/E1 LINES WITH USER DEFINED PRIORITY

## EXHIBIT A

DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0046	6,061,431	9-Oct-98	09/169,039	9-May-00	METHOD FOR HEARING LOSS COMPENSATION IN TELEPHONY SYSTEMS BASED ON TELEPHONE NUMBER RESOLUTION
2705-0047	6,577,996	8-Dec-98	09/207,362	10-Jun-03	METHOD AND APPARATUS FOR OBJECTIVE SOUND QUALITY MEASUREMENT USING STATISTICAL AND TEMPORAL DISTRIBUTION PARAMETERS
2705-0049	6,298,055	26-Oct-98	09/179,546	2-Oct-01	EARLY DETECTION OF IN-BAND SIGNALS IN A PACKET VOICE TRANSMITTER WITH REDUCED TRANSMISSION DELAY
2705-0050	6,466,550	11-Nov-98	09/190,034	15-Oct-02	A DISTRIBUTED CONFERENCING SYSTEM UTILIZING DATA NETWORKS
2705-0051	6,259,677	30-Sep-98	09/164,431	10-Jul-01	CLOCK SYNCHRONIZATION AND DYNAMIC JITTER MANAGEMENT FOR VOICE OVER IP AND REAL-TIME DATA
2705-0053	6,785,267	4-Jan-99	09/228,031	31-Aug-04	ACCESS AND CONTROL SYSTEM FOR ENHANCED AUDIO CAPABILITIES IN AN INTEGRATED TELEPHONY/HIGH SPEED DATA ACCESS DEVICE
2705-0054	6,163,824	10-Aug-98	09/206,762	19-Dec-00	HOT PLUG PORT ADAPTER WITH SEPARATE PCI LOCAL BUS AND AUXILIARY BUS
2705-0055	6,584,093	5-Jan-99	09/225,921	24-Jun-03	METHOD AND APPARATUS FOR AUTOMATIC INTER-DOMAIN ROUTING OF CALLS
2705-0056	6,404,870	15-Jun-99	09/333,779	11-Jun-02	METHOD AND APPARATUS FOR AUTHORIZATION BASED PHONE CALLS IN PACKET SWITCHED NETWORKS
2705-0059	6,381,604	20-Jul-99	09/364,710	30-Apr-02	TEST INFORMATION MANAGEMENT SYSTEM
2705-0060	6,621,821	4-Jan-99	09/225,895	16-Sep-03	METHOD AND APPARATUS FOR MAPPING VOICE ACTIVITY DETECTION TO A SCHEDULED ACCESS MEDIA
2705-0061	6,438,123	4-Jan-99	09/225,894	20-Aug-02	METHOD AND APPARATUS FOR SUPPORTING HEADER SUPPRESSION AND MULTIPLE MICROFLOWS IN A NETWORK
2705-0062	6,781,983	3-May-99	09/304,032	24-Aug-04	PACKET-SWITCHED TELEPHONY WITH CIRCUIT-SWITCHED BACKUP

## EXHIBIT A

DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0072	6,741,688	28-Oct-99	09/429,228	25-May-04	METHOD AND APPARATUS FOR HANDLING TELEPHONE CALLS
2705-0079	6,366,583	21-Jul-99	09/359,055	2-Apr-02	NETWORK ROUTER INTEGRATED ONTO A SILICON CHIP
2705-0082	6,282,192	9-May-00	09/568,491	28-Aug-01	PSTN FALLBACK USING DIAL ON DEMAND ROUTING SCHEME
2705-0086	6,754,232	12-Jan-00	09/481,776	22-Jun-04	DYNAMIC CODEC SPEED SELECTION AND BANDWIDTH PREALLOCATION IN A VOICE PACKET NETWORK METHOD AND APPARATUS
2705-0087	6,868,094	4-Nov-99	09/434,845	15-Mar-05	METHOD AND APPARATUS FOR MEASURING NETWORK DATA PACKET DELAY, JITTER AND LOSS
2705-0090	6,868,080	27-Jan-00	09/492,423	15-Mar-05	VOICE OVER INTERNET PROTOCOL CALL FALLBACK FOR QUALITY OF SERVICE DEGRADATION
2705-0098	6,765,926	30-Mar-00	09/539,733	20-Jul-04	BIT REARRANGING UNIT FOR NETWORK DATA, METHOD FOR REARRANGING BITS, AND SOFTWARE FOR ENABLING THE SAME
2705-0100	6,785,301	29-Jun-00	09/607,182	31-Aug-04	METHOD AND APPARATUS FOR CONDUCTING CALL WAITING-CALLER IDENTIFICATION IN A PACKET SWITCHED NETWORK
2705-0156	6,411,705	7-Dec-00	09/734,239	25-Jun-02	SIGNALING STATE MANAGEMENT SYSTEM FOR PACKET NETWORK GATEWAYS
2705-0157	6,775,698	29-Dec-00	09/753,308	10-Aug-04	APPARATUS AND METHOD FOR DOWNLOADING CORE FILE IN A NETWORK DEVICE
2705-0192	6,487,598	11-Jul-01	09/903,796	26-Nov-02	VIRTUAL DIAL-UP PROTOCOL FOR NETWORK COMMUNICATION
2705-0249	6,973,042	6-Aug-02	10/213,891	6-Dec-05	HOP BY HOP QUALITY OF SERVICE MEASUREMENT SYSTEM
2705-0271	6,965,224	16-May-03	10/440,276	15-Nov-05	METHOD AND APPARATUS FOR TESTING SYNCHRONIZATION CIRCUITRY
2705-0275	7,158,379		10/734,715	2-Jan-07	DEVICE FOR REMOVING HEAT FROM A POWER CONNECTOR
2705-0289	6,785,382	8-Jan-02	10/044,658	31-Aug-04	SYSTEM AND METHOD FOR CONTROLLING A FILTER TO ENHANCE SPEAKERPHONE PERFORMANCE



## EXHIBIT A

DO. NO.	PATENT NO.	FILING DATE	APP NUMBER	GRANT DATE	TITLE
2705-0539	6,343,178	7-Nov-00	09/707,602	29-Jan-02	MICROMACHINED VOLTAGE CONTROLLED OPTICAL ATTENUATOR
2705-0549	6,700,174	25-Sep-97	08/937,859	2-Mar-04	BATCH FABRICATED SEMICONDUCTOR THIN-FILM PRESURE SENSOR AND METHOD OF MAKING SAME
2705-1012		27-Dec-07	11/965,678		MULTIMEDIA B2B OPPORTUNITY AND ERROR DETECTION AND RESOLUTION ENGINE